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The Extreme Ultraviolet Explorer Archive

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The Extreme Ultraviolet Explorer (EUVE) satellite was launched successfully at 12:40:00 EDT on June 7, 1992 from Cape Canaveral Air Force Station, Florida. The EUVE science payload consists of three scanning telescopes carrying out an all-sky survey in the 70-760A spectral region, and a Deep Survey/Spectrometer telescope performing a deep survey in the 70-250A spectral region. This latter instrumentation will subsequently perform Guests Observer (GO) spectroscopic observations of individual targets.

The EUVE public archive opened for business on July 17, 1992. The purpose of the archive is the storage and distribution of EUVE data and ancillary documentation, information and software which is in the public domain. As the mission proceeds, the all-sky survey, deep survey and spectroscopic data will become publicly available through a variety of interfaces to an archive system centered around an optical juke box. In this paper, we describe the current and future contents, the architecture, and the development plans for the archive.